

Canadian Journal of Microbiology

Revue canadienne de microbiologie

Author Index
Volume 42, 1996

Index des auteurs
Volume 42, 1996

- Abdo, M.C.B., 944
Ackermann, H.-W., 1015
Adkins, A., 221, 227
Ahmad, D., 305
Aigle, B., 562
Aislabie, J., 79
Alangaden, G.J., 960
Alban, P.S., 701
Alfatafta, A.A., 1100
Allison, M.J., 1081, 1219
Alsubaey, A., 437
Ambrožič, J., 1274
Amin, M., 617
Anacleto, C., 944
Andersen, B., 685
Anderson, N.A., 487
Ando, S., 1209
Angelova, M.B., 1197
Anke, H., 1179
Arnauld, O., 259
Arturo-Schaan, M., 60
Attwood, G.T., 267
Axelrood, P.E., 690
Baca, B.E., 294
Baker, G.R., 124
Bal, A.K., 1252
Balogh, I., 1190
Bank, S., 1219
Barassi, C.A., 83
Barriault, D., 305
Bateman, G.L., 1232
Battley, E.H., 38
Bedell, J.-P., 819
Bégin, C., 855
Belhadj, C., 12
Belhadj, O., 12
Ben-Mahrez, K., 12
Bergeron, J., 305
Bertin, G., 927
Bingle, W.H., 672
Binnie, C., 284
Boher, B., 1131
Boopathy, R., 1203
Bordeleau, L.M., 72
Borthakur, D., 903
Botton, B., 819
Boulianne, R., 461
Bowers, J.H., 27
Boyle, M.D.P., 1172
Brandl, M., 586
Braub, A.S., 60
Brown, D.A., 392
Bruni, A., 191
Burd, G., 243, 791
Buscot, F., 819
Cai, J., 662
Calatayud, P., 1131
Calzolari, A., 120
Capdepuy, M., 525
Carstens, E.B., 1267
Casselman, R., 1267
Castle, A.J., 461
Caumette, P., 259, 525
Cedergren, R., 340
Chan, E.C.S., 875, 1072
Chang, N.W., 711
Chaucheyras, F., 927
Chern, L.L., 172
Chestukhina, G.G., 307
Choquet, C.G., 183
Chowdhury, M.A.R., 87
Ciminelli, V.S.T., 519
Clark, E.M., 586
Clarke, A.M., 690
Coallier, J., 862
Collins, M.M., 72
Collins, Y.E., 621
Colwell, R.R., 87
Cormier, M., 60
Cornick, N.A., 1081, 1219
Craig, A., 1267
Creus, C.M., 83
Dargent, R., 965
Darling, G.D., 875
Davison, A.D., 66
Daxhelet, G., 919
Dazzo, F.B., 340
de Andrade, M.C., 519
de Bruijn, F.J., 467
Decaris, B., 562
Decaudin, M., 298
Delmotte, F.M., 234
Delort, A.-M., 705, 1091
Demidoff, A.H., 72
Dennis, D., 715
Dery, P.D., 196
Devor, K.A., 828
Dominguez, A., 1087
Donegan, K.K., 1258
Donini, A., 191
Dowd, P.F., 1100
Dreyfus, B., 187
Dubow, M.S., 662
Dufrêne, Y.F., 548
Dugan, K.J., 124
Durairaj, M., 870
Dutton, M.V., 881
EgboSimba, E.E., 453
Elkan, G.H., 1121
Enfedaque, J., 19
Ethier, J.C., 851
Evans, C.S., 881
Fábregas, J., 1087
Faigy, C., 162
Farinha, M.A., 326
Fennewald, M.A., 46
Ferenczy, L., 613
Fernandes, A.P.S.M., 944
Ferreira-Pinto, K.C., 944
Ferrer, S., 19
Ferris, F.G., 147
Figueira, M.M., 519
Filho, E.X.F., 1
Fletcher, J., 124
Flores-Encarnacion, M., 294
Floriani, P.J., 1061
Fonty, G., 927
Fonvieuille, J.-L., 965
Forano, E., 1091
Forsberg, C.W., 453, 934
Fortin, D., 392
Foster, B.C., 851
Freer, S.N., 431
Fridovich, I., 515
Frischer, M.E., 1061
Gannon, V.P.J., 1155
Gao, X., 903
Gascoyne, M., 401
Gaudet, G., 1091
Geiger, J.P., 1131
Gené, J., 1185

- Genova, L.K., 1197
 Gerits, J.P., 147
 Gilleland, H.E., Jr., 859
 Gilot, P., 919
 Giraudo, A.T., 120
 Glick, B.R., 207
 Gliesche, C.G., 571
 Gloer, J.B., 1100
 Goel, U., 1015
 Golsteyn-Thomas, E.J., 1155
 Gong, J., 453
 Goto, N., 1248
 Gottlieb, G.S., 46
 Gottschalk, M., 855
 Gouet, P., 927
 Gow, J.A., 1252
 Grabnar, M., 1274
 Graham, P.H., 844
 Graham, T., 1155
 Greer, C.W., 99, 862
 Grogan, D.W., 1163
 Guarro, J., 1185
 Guasch, J.F., 19
 Guessouss, M., 12
 Guillamón, J.M., 1185
 Gulnick, J.D., 911
 Gumley, A.W., 798
 Gunasekaran, M., 76
 Gunasekaran, S., 76
 Hamana, K., 107
 Hancock, J.G., 115
 Hart, D.A., 1024
 Hartung, J.S., 196
 He, C.H., 1263
 Hendry, M.J., 410
 Heredia, C.F., 6
 Herrera, F., 267
 Hill, T.W., 557
 Hirsch, P., 571
 Hodges, R.S., 479
 Hoet, P., 919
 Holl, F.B., 1006
 Hollingsworth, R.I., 340
 Holsters, M., 187
 Honey, N.K., 132
 Hsieh, D.P.H., 804
 Hughes, E.E., 859
 Hunter, D.W.F., 79
 Huq, A., 87
 Hynes, M.F., 279
 Imai, H., 1209
 Imamura, S., 983
 Ingram, J., 862
 Inniss, W.E., 99, 798
 Irvin, R.T., 479
 Iyo, A.H., 934
 Jack, T.R., 1051
 Jackson, M.A., 1032
 Jacques, M., 855
 Jardine, D.R., 66
 Jardine, S., 326
 Jendrach, M., 571
 Jensen, S.E., 870
 Jolivet-Gougeon, A., 60
 Jones, R.K., 27
 Joseph, R., 316
 Joshi, B., 609
 Juck, D., 862
 Jude, F., 525
 Kämpfer, P., 989
 Kaneko, M., 1104
 Kang, G.-Y., 177
 Kapoor, M., 977
 Karuso, P., 66
 Kato, M., 983
 Kauri, T., 1015
 Kawase, H., 983
 Kellogg, S.T., 593
 Kelly, J.M., 950
 Kermasha, S., 446
 Khachatourians, G.G., 577
 Khan, M.I., 609
 Khanna, S., 617, 1225
 Khetmalas, M.B., 1252
 Khire, J.M., 609
 Kibenge, F.S.B., 93
 Kiehlmann, E., 604
 Kikuta, N., 1248
 Kim, H., 1241
 Kinkel, L.L., 27, 487
 Kloepper, J.W., 1144
 Kluepfel, D.A., 1112
 Ko, W.H., 172
 Koulali, Y., 965
 Kpémoua, K., 1131
 Kremer, S., 1179
 Křen, V., 1176
 Krieg, N.R., 701
 Kropinski, A.M., 326
 Kroppenstedt, R.M., 989
 Krulicki, W., 1024
 Kurane, R., 642
 Kushner, D.J., 1015
 Kusumoto, K.-I., 804
 Kwaśna, H., 1232
 Labbé, R.G., 628
 Lal, B., 1225
 Lamb, T.G., 1112
 Lanau, C., 259
 Lange, B., 1179
 Larose, A., 305
 Lascourrèges, J.F., 525
 Lawrence, J.R., 410
 Le, K.D., 672
 Lee, K.K., 479
 Lerner, S.A., 960
 Leskiw, B.K., 870
 Liao, C.-H., 177
 Liao, L., 284
 Lin, D., 896
 Linardi, V.R., 519
 Lindow, S.E., 586
 Little, B., 367
 Liu, C.M., 507
 Liu, D., 487
 Liu, Z.-X., 515
 Lockington, R.A., 950
 Louie, T., 1024
 Lu, A., 1267
 Lubbers, M.W., 132
 Macdonald, D.L., 479
 Magan, N., 1045
 Magot, M., 259
 Magyar, K., 613
 Malek, L.T., 284
 Manavathu, E.K., 76, 960
 Manavathu, M., 76
 Manchak, J., 655
 Manning, J.F., 1203
 Maráz, A., 1190
 Mares, D., 191
 Marín, I., 201
 Marín, S., 1045
 Martikainen, P.J., 811
 Marty, A.M., 196
 Marwood, T., 851
 Masson, J.-Y., 835, 1263
 Matheron, C., 1091
 Matheron, R., 259
 Matthews, B.F., 437
 Matthews-Greer, J.M., 859
 McBride, M.J., 896
 McCallus, D.E., 177
 McLean, R.J.C., 392
 Mével, G., 162
 Milcamps, A., 467
 Miranda-Vilela, A.L., 944
 Mishra, B.M., 503
 Miyama, A., 983
 Mockett, R., 326
 Montealegre, C., 844
 Montilla, R., 87
 Moore, M., 604
 Morales, E.D., 1087
 Moreira, E.S.A., 944

- Morgan, C.A., 423
 Morin, A., 446
 Mota, M., 539
 Mozaffar, Z., 1241
 Mukohata, Y., 973
 Munch, J.C., 819
 Murakami, T., 1209
 Myers, G.D., 124
 Naczynski, L.M., 326
 Nagel, R., 120
 Nagy, Á., 613
 Naumov, G.I., 335
 Naumova, E.S., 335
 Neethling, D., 141
 Nemeček, J., 867
 Nevado, J., 6
 Nevalainen, H., 141
 Nicole, M., 1131
 Nierzwicki-Bauer, S.A., 1061
 Nikolakakis, A., 828
 Noble, L.D., 1252
 Noble, P.B., 875
 Noel, T.C., 279
 Noronha, E.F., 1039
 Novella, I.S., 201
 Nuti, M.P., 340
 Ohara-Nemoto, Y., 1104
 Olsen, P.E., 72
 Orgambide, G.G., 340
 Otero, A., 1087
 Pabai, F., 446
 Page, W.J., 655
 Palágyi, Z., 613
 Palm, C.J., 1258
 Pang, A.S.D., 634
 Papp, T., 613
 Paradis, S.-É., 855
 Paranchych, W., 479
 Pashova, S.B., 1197
 Patel, G.B., 183
 Patiño, M., 1087
 Patten, C.L., 207
 Patterson, N.A., 977
 Pedersen, K., 382
 Peissl, K., 571
 Petersen, D.J., 1006
 Petrillo-Peixoto, M.L., 944
 Pharis, R.P., 279
 Philip-Hollingsworth, S., 340
 Pickard, M.A., 289
 Pinto, L., 604
 Podile, A.R., 533
 Porte, Q., 76
 Pospíšil, S., 867
 Powlowski, J., 305
 Prakash, A.P., 533
 Prévost, M., 862
 Prieur, D., 162
 Přikrylová, V., 867
 Qian, B., 93
 Quadt-Hallmann, A., 1144
 Quentin, C., 525
 Rabaste, F., 705
 Radley, R., 690
 Ramakrishnan, M.S., 316
 Ramos, A.J., 1045
 Ramotar, D., 835, 1263
 Rampone, H., 120
 Reeleder, R.D., 647
 Regué, M., 19
 Reno, C., 1024
 Revina, L.P., 307
 Řezanka, T., 1176
 Rice, W.A., 72
 Ringelberg, D.B., 375
 Rioux, S., 855
 Roane, T.M., 593
 Roberts, D.P., 196
 Rodriguez, S.B., 132
 Romagnoli, C., 191
 Rouxhet, P.G., 548
 Saenz, R., 1045
 Salmon, J.-M., 927
 Sancelme, M., 705
 Sánchez, J., 201
 Sanchis, V., 1045
 Sancho, E.D., 335
 Saunders, G.A., 115
 Sauriol, F., 828
 Sauvager, F., 60
 Saxena, D., 617
 Schaller, D.L., 1258
 Schisler, D.A., 1032
 Schultze-Lam, S., 147
 Scott, D., 1072
 Seidler, R.J., 1258
 Sha, Y.-H., 124
 Shaw, M.E., 124
 Shemyakina, T.M., 307
 Sheng, C., 279
 Sherwood-Lollar, B., 147
 Shieh, W.Y., 507
 Shih, N.-J., 628
 Shotbolt-Brown, J., 79
 Shroff, R.A., 950
 Siboo, R., 1072
 Siebert, J., 571
 Simonet, J.-M., 562
 Sisler, H.D., 437
 SivaRaman, H., 609
 Skory, C.D., 431
 Slokoska, L.S., 1197
 Smit, J., 672
 Smith-Grenier, L.L., 221, 227
 Soares, E.V., 539
 Soto-Urzua, L., 294
 Sparace, S.A., 647
 Spížek, J., 867
 Sprott, G.D., 183
 Squartini, A., 340
 Srinivasan, M., 1006
 Stehmeier, L.G., 1051
 Stepanov, V.M., 307
 Sterner, O., 1179
 Stigter, J., 467
 Stocco, N., 461
 Stotzky, G., 621
 Stranix, B.R., 875
 Stroes-Gascoyne, S., 349
 Sueldo, R.J., 83
 Sylvestre, M., 305
 Talouizte, A., 965
 Tanaka, M., 973
 Tang, C.S., 172
 Tardy-Jacquenod, S., 259
 Taylor, G.T., 911
 Teixido, A., 1045
 Tholozan, J.-L., 298
 Thomas, J.E., 1155
 Thornton, R.J., 132
 Thrane, U., 685
 Tola, E., 340
 Tomás, J., 19
 Tomekpe, K., 187
 Tongpim, S., 289
 Tonkyn, D.W., 1112
 Trachuk, L.A., 307
 Tripathi, A.K., 503
 Tsivitse, M., 1172
 Tsubata, T., 642
 Tsuji, T., 983
 Tzean, S.-S., 177
 Ulfig, K., 1185
 Ulho, C.J., 1039
 Urtz, B.E., 1121
 Vágvyölgý, C., 613
 Valentin, H.E., 715
 Vanderleyden, J., 467
 Vandewiele, D., 562
 Van Dommelen, A., 467
 van Frankenhuyzen, K., 634
 Veal, D.A., 66
 Venosa, A.D., 252
 Vinas, I., 1045
 Volff, J.-N., 562

- | | | |
|-------------------------|----------------------------|-----------------------|
| Voordouw, G., 1051 | Whyte, L.G., 99 | Yi, S., 634 |
| Wade, M.J., 711 | Wicklow, D.T., 1100 | Yohemas, M., 655 |
| Wagner, P., 367 | Wilson, D.L., 851 | Yokoyama, T., 1209 |
| Walczyk, E., 284 | Wipf, D., 819 | Yost, C.K., 279 |
| Ward, E., 1232 | Wisniewski, J.-P., 234 | Yu, L., 479 |
| Ward, O.P., 243, 791 | Wrenn, B.A., 252 | Yuasa, S., 973 |
| Weete, J.D., 1241 | Wyndham, R.C., 423 | Zacheus, O.M., 811 |
| Weissenstein, L.A., 267 | Xavier, I.J., 577 | Zamecnik, J., 851 |
| Wells, J.M., 177 | Xochinua-Corona, Y.G., 294 | Zamir, L.O., 828 |
| Went, C.J., 326 | Xu, B., 87 | Zemcov, S.J.V., 690 |
| West, J.M., 349 | Yamamoto, A., 1248 | Žgur-Bertok, D., 1274 |
| White, B.A., 267 | Yan, B., 1219 | Zhou, T., 647 |
| White, D.C., 375 | Ye, F., 124 | Zuck, P.D., 124 |

Canadian Journal of Microbiology

Revue canadienne de microbiologie

Subject Index
Volume 42, 1996

Index des matières
Volume 42, 1996

- acetylsermidine, 107
Acinetobacter calcoaceticus, 1225
Actinobacillus pleuropneumoniae, 855
adhesin, 453, 479
adhesion, 453
adhesiveness, 548
advectin, 410
aflatoxin biosynthesis, 804
agr⁻ mutant, 120
Alcaligenes, 423
alkane, 252
Alternaria alternata, 685
Alternaria infectoria, 685
D-amino acid utilization, 973
ammonium assimilation, 467
amphetamine, 851
amphotericin B, 705
amylase, 628
anaerobic process, 1203
Antarctica, 571
antheridiol, 557
anthracene, 289
antibiosis, 647
antibiotic resistance, 12
antifungals, 960
antiinsectan, 1100
antimicrobial, 690
API-ZYM, 613
Archaea, 1163
archaeal liposomes, 183
archaeobacteria, 183, 973
aromatic aminotransferase, 294
arsenic resistance, 662
Arthrographis alba, 1185
ascomycetous yeast, 132
asparaginase, 316
Aspergillus carbonarius, 1100
Aspergillus fumigatus, 960
Aspergillus niger, 533
Aspergillus parasiticus, 804
assembly, 1274
attachment, 234
Autographa californica nuclear polyhe-
drosis virus, 1267
autoregulation, 187
auxin, 207
auxotrophic mutants, 279
avibirnavirus, 93
Azospirillum brasilense, 83, 294, 467,
548
Azospirillum lipoferum, 503
Bacillus licheniformis, 307
Bacillus spp., 1006
Bacillus subtilis, 533, 919
Bacillus thuringiensis, 634
Bacillus thuringiensis toxin, 1258
bacteria, 79, 252
bacterial cell surface, 392
bacterial growth thermodynamics, 38
bacterial lectin, 234
bacteriocin, 19
bacteriophage, 1015
baculovirus, 1267
basic terminal domain, 934
basidiomycetes, 1179
beach pea, 1252
Beauveria brongniartii, 577
binding, 453
biochemical composition, 1087
biodegradation, 79, 99, 221, 227, 423
biodiversity, 259
bioemulsifier, 243
biofilm, 367, 392
Bio-Gel A-5m, 983
bioherbicide, 1032
biological control, 27, 196, 533, 647
biometer flask, 1051
biomineralization, 392
bioremediation, 66, 243, 604, 791,
1051, 1203
biosurfactant, 791
biosynthesis, 207, 1081
biotransformation, 851, 867
bleomycin, 835
Botrytis cinerea, 965
Bradyrhizobium, 1121
Bradyrhizobium elkanii, 1209
Bradyrhizobium japonicum, 1209
brassicasterol, 1176
broth macrodilution, 960
butter fat, 446
butyric acid, 1203
cadmium, 593
calcium oxalate, 881
callose, 1131
Canadian Shield, 401
Candida albicans, 76, 191, 705
Canola, 977
capsule, 340
carbazole, 79
carbon assimilation, 1081, 1219
carbon catabolite repression, 950
carbon flow, 1219
Carpophilus hemipterus, 1100
catabolic gene probes, 99
Caulobacter, 672
cell envelope, 1163
cell-free system, 828
cell proportions, 844
cell walls, 557
cellobiose, 1091
cellulases, 557
cellulose, 453
characterization, 1, 1039
chemical defense, 1100
chitinase, 307
Chlorella autotrophica, 1087
chloride requirement, 115
N-chlorotaurine, 515
cholera toxin, 983
chrysene, 604
chymotrypsin, 284
clostridia, 525
Clostridium perfringens, 298, 628
cluster analysis, 685
¹³C-NMR, 705
coastal environment, 525
cold acclimation proteins, 798
cold shock proteins, 798
Colletotrichum truncatum, 1032
colonization, 1144
Comamonas, 423
common bean, 844, 903
common *nod* gene, 1209
community ecology, 27
competition, 903
complementation cloning, 503
conifer rhizosphere, 690
conjugation, 12
contaminant, 72
continuous culture, 446

- core, 855
coryneform bacteria, 989
CREA, 950
CryI toxins, 634
cryptoendolithic bacteria, 571
Cunninghamella, 851
cyanide metabolism, 519
cyanide oxygenase, 519
cyanobacteria, 147
cytochrome P450, 604
cytokine, 1104
cytokinin, 279
cytopathology, 634
Cytophaga johnsonae, 515
15-deacetylcalonectrin, 828
decontamination, 811
deep subsurface, 375
delayed inoculation, 844
denaturing conditions, 1163
denitrification, 507
denitrifying bacteria, 507
Desulfovibrio spp., 1203
detection, 862
diagnostics, 1248
diaminopropane, 107
diauxic utilization, 431
dibenzothiophene, 642
dicarboxylate transport gene, 503
diclofop-methyl, 221, 227
dicyclopentadiene, 1051
differentiation, 989
4-*p*-dimethylaminostyrylpyridium, 875
dimorphism, 76
disinfection, 60
dispersion, 410
diversity, 382
DnaK, 326
DNA methylation, 201
DNA-protein cross-linking, 46
DNA repair, 835, 1263
double-stranded RNA, 977
drug resistance, 960
dual cofactor specific, 1241
electrokinetic properties, 621
electron conservation, 38
electrophoresis, 819
electrophoretic karyotyping, 335
endoglucanase, 267, 557, 934, 1039
endophytic bacteria, 1144
Entamoeba gingivalis, 1248
Enterobacter cloacae, 196
enterobacteria, 525
Enterobacteriaceae, 107
enterotoxigenic *Escherichia coli*, 60
entomopathogenic fungi, 577
environmental containment, 196
enzyme production, 177
epibacteria, 911
Epicoccum purpurascens, 647
Erwinia, 586
Escherichia coli, 12, 519, 662
essential genes, 1267
esterase, 804
ether liposomes, 183
exopolysaccharides, 340, 965
exoprotein expression, 120
facilitated transport, 410
fatty acid analysis, 27, 989
fatty acids, 642, 1176
fermentative bacteria, 507
ferric reductase, 655
Fibrobacter succinogenes, 453, 934, 1091
filamentous fungi, 604
fimbriae, 461, 479
fission yeast, 132
flavonoid, 1131
flocculation inhibition, 539
flocculation onset, 539
flour beetle, 711
flow cytometry, 859
fluorescence, 875
fluorochrome, 875
forest Lepidoptera, 634
fumonisins producing, 1045
fungi, 881, 1197
Fusarium culmorum, 828
Fusarium spp., 1045, 1232
gas production, 349
GC-MS, 1051
genealogical age, 539
gene amplification, 944
gene dosage, 1190
gene expression, 919
gene fusions, 662
gene replacement, 715
genetical taxonomy, 335
genetically engineered microorganism, 1112
genetic diversity, 1209
genetic instability, 562
gene transfer, 896
gentisate, 867
geochemistry, 401
geographical origin, 93
geothermal environments, 1163
germination, 1045
gliding bacteria, 515
gliding motility, 896
glucanase resistance, 944
glucosamine, 6
glucose limitation, 539
glucose metabolism, 705
glucose 6-phosphate, 1091
glucose repression, 431
 β -glucosidase, 1
glutaminase, 316
 γ -glutamyltranspeptidase, 76
glutathione, 76
glutathione peroxidase, 76
glutathione reductase, 76
glycerol, 705
glycolysis inhibition, 6
glycoprotein, 983
GroEL, 326
groundwater chemistry, 401
growth, 298, 965, 1024
growth efficiency, 911
growth stage, 87
Halobacterium halobium, 973
halobiphenyl degradation, 66
halophiles, 1015
halophilic bacteria, 507
halopicolinic acid, 66
heat-labile enterotoxin, 983
heat shock, 326, 701
heat-shock proteins, 577
heat-shock response, 577
heat sterilization, 183
heavy metals, 593, 621
Helicoverpa zea, 1100
hemin-binding protein, 1072
n-heptanol tolerance, 642
herbicide, 221, 227
heterotrophic bacteria, 162, 811
hormone production, 172
host-pathogen, 1252
hot water system, 811
Humicola grisea, 1
Humicola lutea, 1197
hydrocarbon, 252
hydrogen peroxide, 515
hydrolytic enzymes, 911
hydrophobic cluster analysis, 267
hydrophobicity, 548
hydrothermal vents, 162
hydroxymethyluracil, 919
hyphal swellings, 115
Hyphomycetes, 1185
IgG-binding protein, 1172
immunocytochemical localization, 634
immunology, 1144
indoleacetic acid, 207, 279, 586
indoleacetic acid production, 294, 1006

- indole-3-pyruvic acid, 586
induction, 1197
inoculant, 72
inoculation, 83
insect transmission, 124
in situ hybridization, 1061
interesterification, 446
interfaces, 911
in vitro, 690
iron limitation, 1072
iron reductase, 1072
iron uptake, 655
isocitric dehydrogenase, 1241
isomerization, 973
isotrichodermin, 828
isozyme analysis, 819
karyotyping, 1190
laccase, 437
lactate metabolism, 927
Lathyrus maritimus, 1252
lead, 593
lectin, 141, 461, 609
legionellae, 811
Leishmania, 944
Leptosphaeria maculans, 977
lignin, 1131
lipases, 446
lipids, 340, 1176
lipopolysaccharides, 855
Listeria monocytogenes, 1155
localization, 1144
lupin, 234
Lysobacter, 896
lytic phage, 919
mating, 461
medium, 298
Megasphaera elsdenii, 927
melanin, 437
membrane proteins, 1163
metabolic identification, 259
metabolism, 423, 1081, 1179
methicillin resistance, 1024
3-methyl-5-aminoisoxazole-4-thiocyanate, 191
3,4-methylenedioxyamphetamine, 851
3,4-methylenedioxy-N-methylamphetamine, 851
microaerophile, 655, 701
microbial, 207
microbial activity, 382
microbial community, 1051
microbial corrosion, 375
microbial mats, 147
microbial morphology, 875
microbially influenced corrosion, 349, 367
microbiota, 375
Microbotryum violaceum, 461
microinjection, 711
microsclerotia, 1032
MIG1, 950
mineralization, 1225
models, 410
Mollicutes, 124
monensin, 965
Morchella sp., 819
most probable number, 252
motility, 467
Mucor, 613
multiplicity, 307
mutations, 835
mutator strain, 562
mycoherbicide, 1032
mycolytic bacteria, 533
mycoparasitism, 141
natural transformation, 571
negative chemotaxis, 515
nested PCR, 862
nif, 1121
nitrifying activity, 162
nitrogen, 586
nitrogen fixation, 187, 467, 903
NMR, 1091
Nocardia, 715
nodulation enhancement, 1006
nodule, 903
nuclear waste, 375, 382
nuclear waste disposal, 349, 401
nuclear waste storage, 367
nucleotide sequence, 934, 1267
numerical analysis, 989
numerical taxonomy, 613
ochratoxin A, 1100
octacosane, 1225
octacosanoic acid, 1225
octacosanol, 1225
oil-field ecology, 259
oleaginic, 1241
oligonucleotide probes, 1061
oligosaccharides, 340
oomycetes, 557
organic pollutants, 99
outer membrane protein F, 859
oxalate, 1219
oxalic acid, 881
PAH, 289, 715
Pantoea agglomerans, 1252
papillae, 562
pathogenicity, 881
pathways, 207
peanut, 1121
pectin, 1131
penicillin, 870
pentachlorophenol, 1197
pentavalent antimony, 944
peracetic acid, 60
Peziza muralis, 1176
PGPR, 279
Phaseolus vulgaris L., 844
phenol, 1131
phenol oxidase, 437
phleomycin, 1263
phylogeny, 93, 1232
Phytophthora parasitica, 172
pilus, 479
plant growth-promoting rhizobacteria, 279
plant pathogenesis, 243, 791
plant species, 1144
plasmid, 12, 571, 977
polyamine, 107
polycyclic aromatic hydrocarbons, 243, 252, 289, 604, 791, 1179
polyhydroxyalkanoates, 289, 715
polymerase chain reaction, 870, 1155, 1248
polymorphism, 819
potable water, 862
potato scab, 487
proliferation, 196
promoter-probe plasmid, 919
protease, 284
protein H, 1172
proteins, 617
protein secretion, 672
pseudomonads, 525
Pseudomonas aeruginosa, 326, 859
Pseudomonas aureofaciens, 1112
Pseudomonas marginalis, 243, 791
Pseudomonas putida, 642
psychrotrophic bacterium, 798
psychrotrophic microorganisms, 99
pulsed-field gel electrophoresis, 201, 326
purification, 1, 609, 1039
pyrene, 1179
Pyricularia oryzae, 437
pyruvate, 701
Pythium ultimum, 1241
RAD6, 1263
radiation and desiccation effects, 349
radionuclide immobilization, 392
radionuclide migration, 349
rDNA, 1185, 1232

- receptors, 19, 479
remediation, 593
reproduction of fungi, 115
resin acids, 423
resistance to chromium, 571
respiratory poison, 655
response regulator, 177
restriction fragment length polymorphism, 1121, 1209
restriction map, 12
restriction modification, 201
rhizobia, 234
rhizobial ecology, 187
Rhizobium, 72, 279, 340, 617
rhizosphere, 1112
Rhodococcus, 289
Rhodospiridium toruloides, 316
Rhodotorula, 191
rice blast, 437
risk assessment, 1258
16S RNA, 382, 1061, 1121
root extracts, 234
roots, 279
16S/23S rRNA intergenic spacer region, 1155
rumen, 453, 927, 1091
Ruminococcus albus, 267
Saccharomyces cerevisiae, 6, 191, 927
Saccharomyces complex, 335
sae⁻ mutant, 120
safe long-term storage, 375
salicylamide, 867
salicylate, 867
saline-alkaline lakes, 147
salt responses, 1015
salt stress, 617
Schizosaccharomyces pombe, 132, 191
sclerotia, 1100
Sclerotium rolfsii, 965
screening, 446
SDS-PAGE, 617
secondary metabolites, 685
semicontinuous culture, 1087
sensitive, 862
sequence counterselection, 201
serogroup conversion, 87
Serratia marcescens, 19
Sesbania exaltata, 1032
sex hormone, 172
sexual reproduction, 172
sibling species, 335
sigma factor, 467
signal transduction, 177
signature lipid biomarkers, 375
site-mutagenesis, 870
S-layer, 672, 1163
small subunit rRNA, 1248
soft-rot bacteria, 177
soil bacteria, 593
soilborne plant pathogen, 115
sorption, 410, 911
spermosphere, 196
Sphingomonas paucimobilis BPSI-3, 66
Spirillum volutans, 701
spiroplasma, 124
sporangia, 115
sporulation, 298, 628
STA genes, 1190
Staphylococcus aureus, 120, 1024
sterols, 1176
strain preference, 844
streptococcal pyrogenic exotoxin C, 1104
Streptococcus bovis, 927
Streptococcus pyogenes, 1104, 1172
Streptomyces, 27, 201, 284, 487, 562, 867, 870
stress, 593
suberin, 1131
substrate utilization, 613
sulfate reducers, 1203
sulfate-reducing bacteria, 259
sulfate reduction, 382
superantigen, 1104
superoxide, 1197
superoxide dismutase, 1197
suppressive soil, 487
surface composition, 548
surface-exposed epitopes, 859
survival of bacteria, 621
susceptibility test, 960
systemic suppression of nodulation, 187
TBT resistance, 525
T cells, 1104
temperature, 1045
thermal stability, 183
thiol groups, 870
Tn3, 46
Tn3 transposition, 1274
TNT, 1203
TOL pWWO plasmid, 798
transcription, 267, 662
transcriptional repressor, 950
transcript mapping, 1267
transfection, 711
transformation, 12
transformation products, 1179
transgenic plants, 1258
translocation, 19
transposase, 46
transposon, 12, 46
transposon Tn5431, 1274
trehalase, 431
Treponema denticola, 1072
Tribolium confusum, 711
Trichoderma harzianum, 1039
Trichoderma spp., 141
trichothecene, 828
tryptophan, 586
two-dimensional electrophoresis, 577
tylose, 1131
ultrastructure, 147
urease, 132
urokinase, 1024
UV cross-linking, 46
versiconal hemiacetal acetate, 804
Vibrio cholerae non-O1, 87
Vibrio cholerae O1, 87
Vibrio sp., 1015
water activity, 1045
water temperature, 811
wheat, 83
white mold, 647
Wolbachia, 711
Xanthomonas campestris, 609
X-ray photoelectron spectroscopy, 548
yeast, 6, 431, 539, 835, 1190, 1263
zinc, 655
zinc finger protein, 950

